

WELL DETAILS: RG 321-24-298

+N/-S	+E/-W	Northing	Ground Level:	Easting	6667.00	Latitude	Longitude	Slot
0.00	0.00	1754855.510		2203526.340		39.871737	-108.337978	RG 321-24-298 A2

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP	7577.00	-1430.83	-2300.38	1753497.230	2201182.400	39.867809	-108.346173
BHL	1357.00	-1430.83	-2300.38	1753497.230	2201182.400	39.867809	-108.346173

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
387.64	389.00	8.30	227.86	-18.87	-20.86	27.68	28.13	First Survey @ 389 MD/ 387.64 TVD
11229.31	11710.00	3.25	233.36	-1470.36	-2347.59	2770.03	2786.37	PTB @ 11710 MD/ 11229.31 TVD

SLOTS

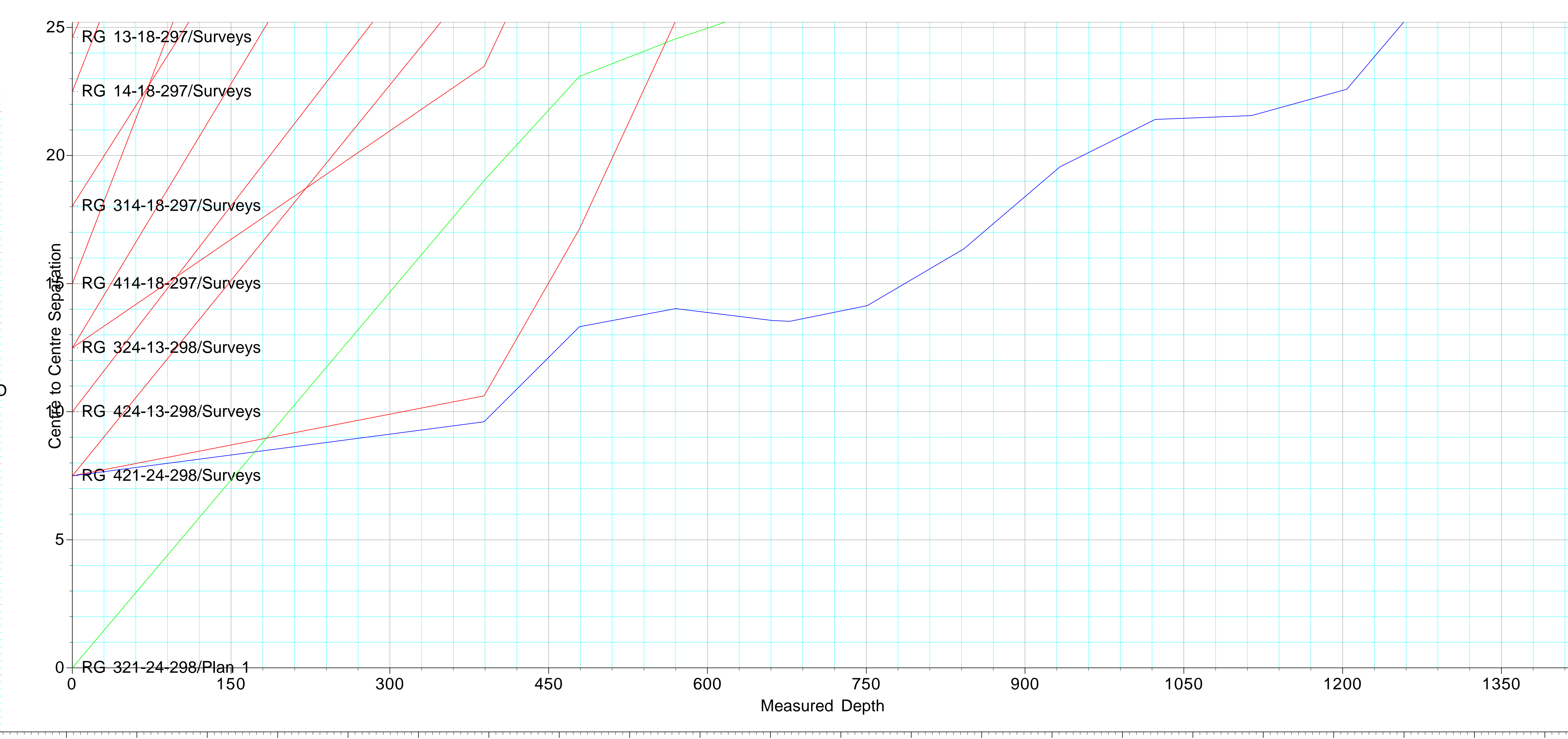
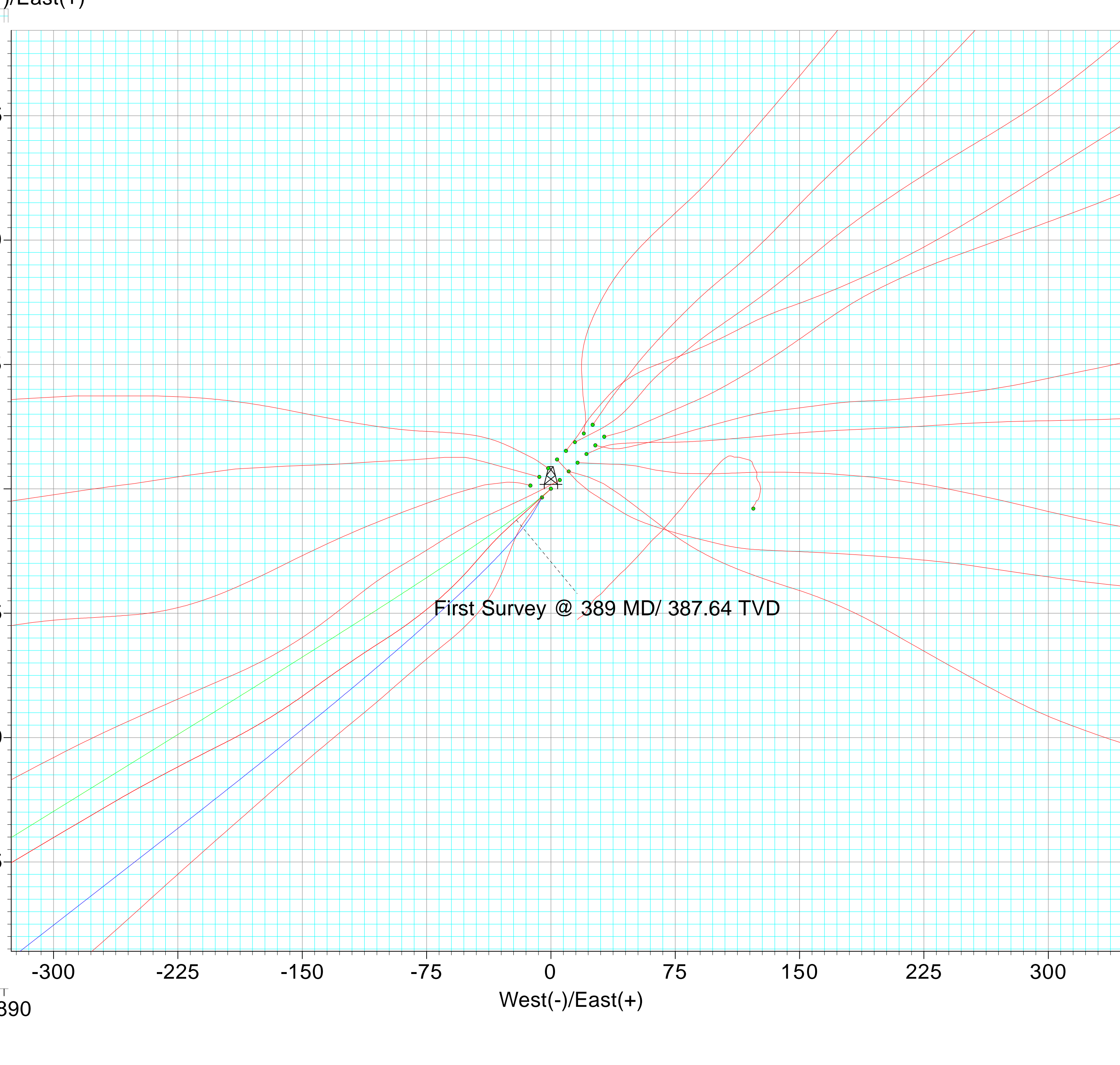
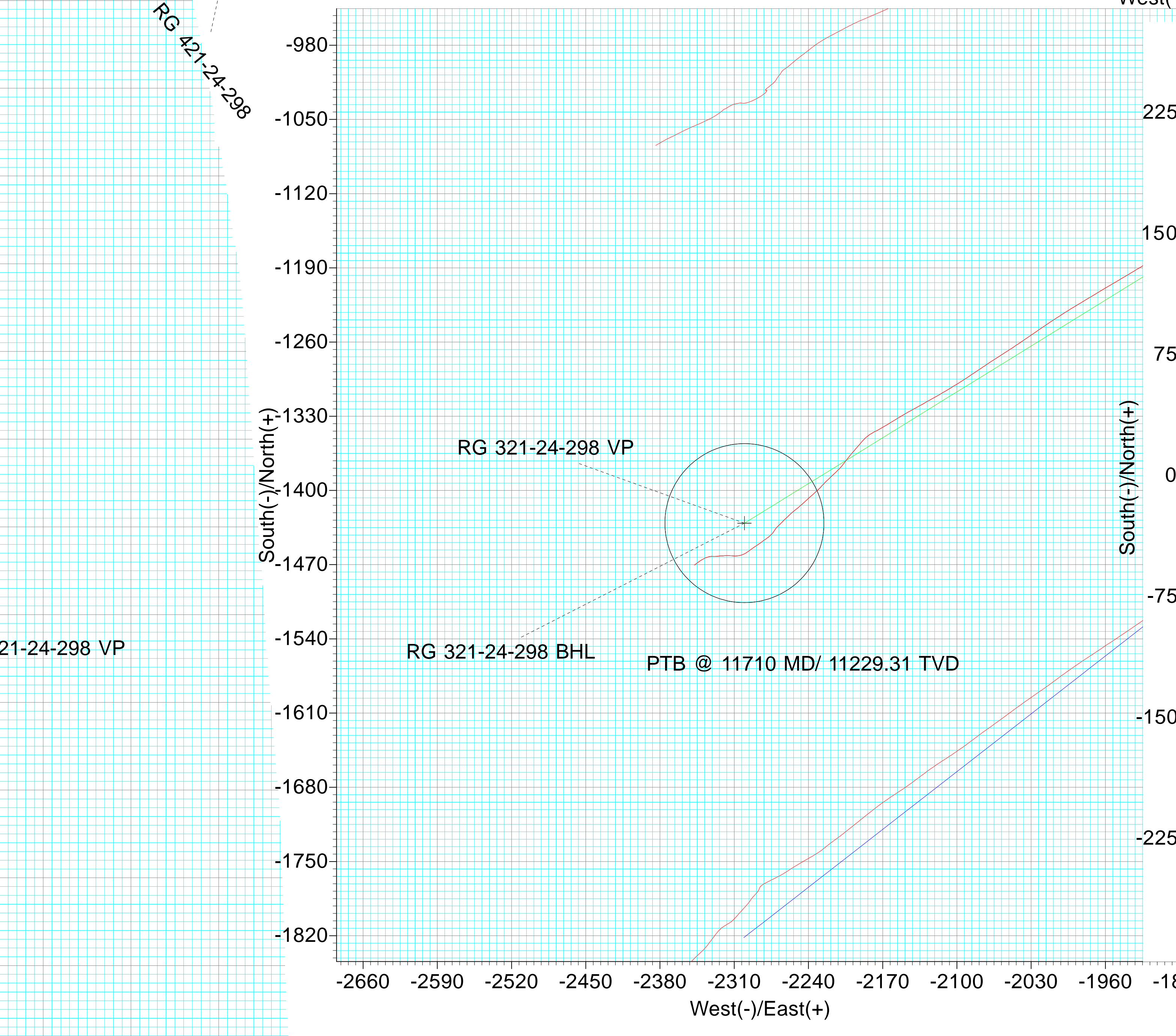
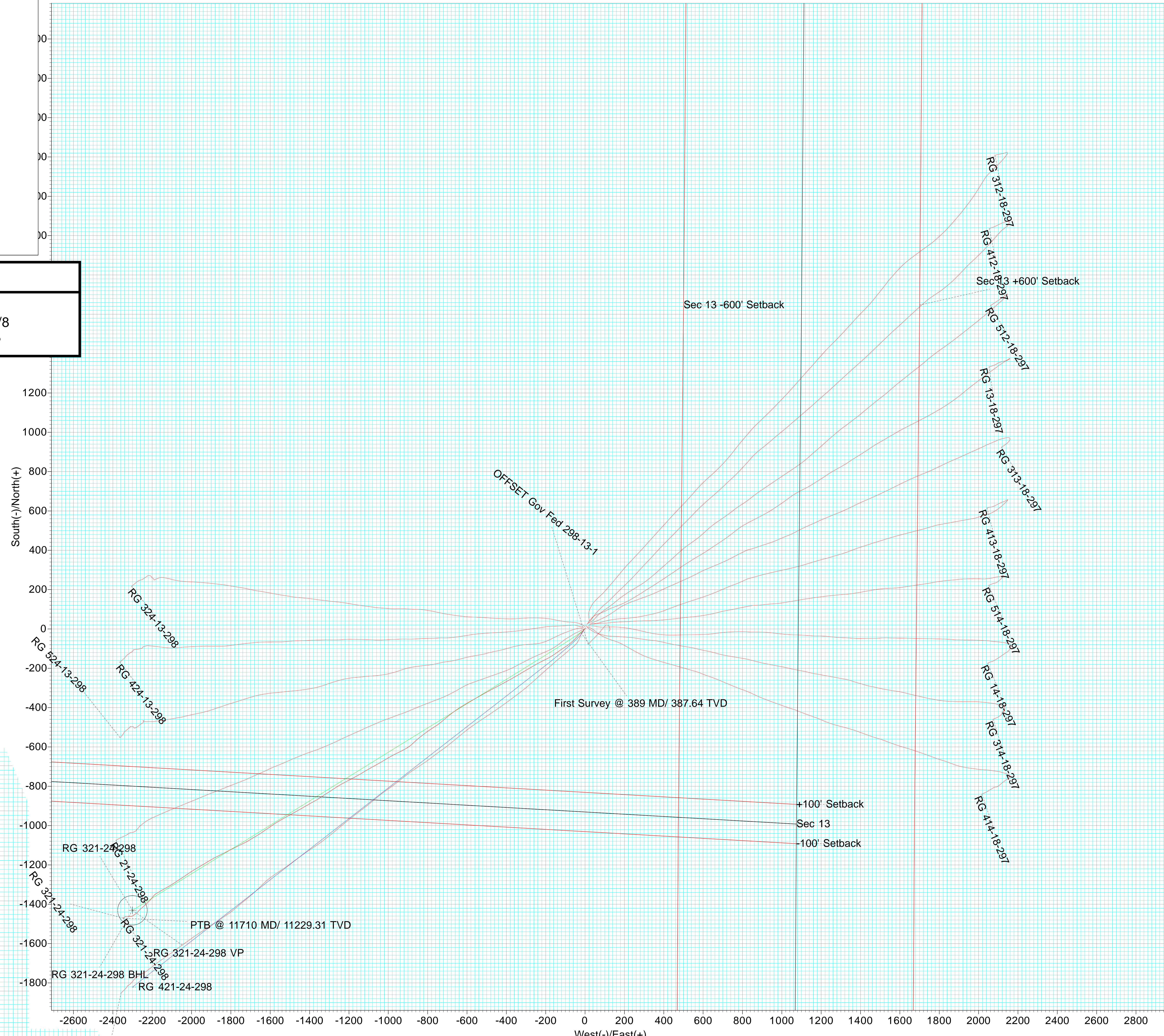
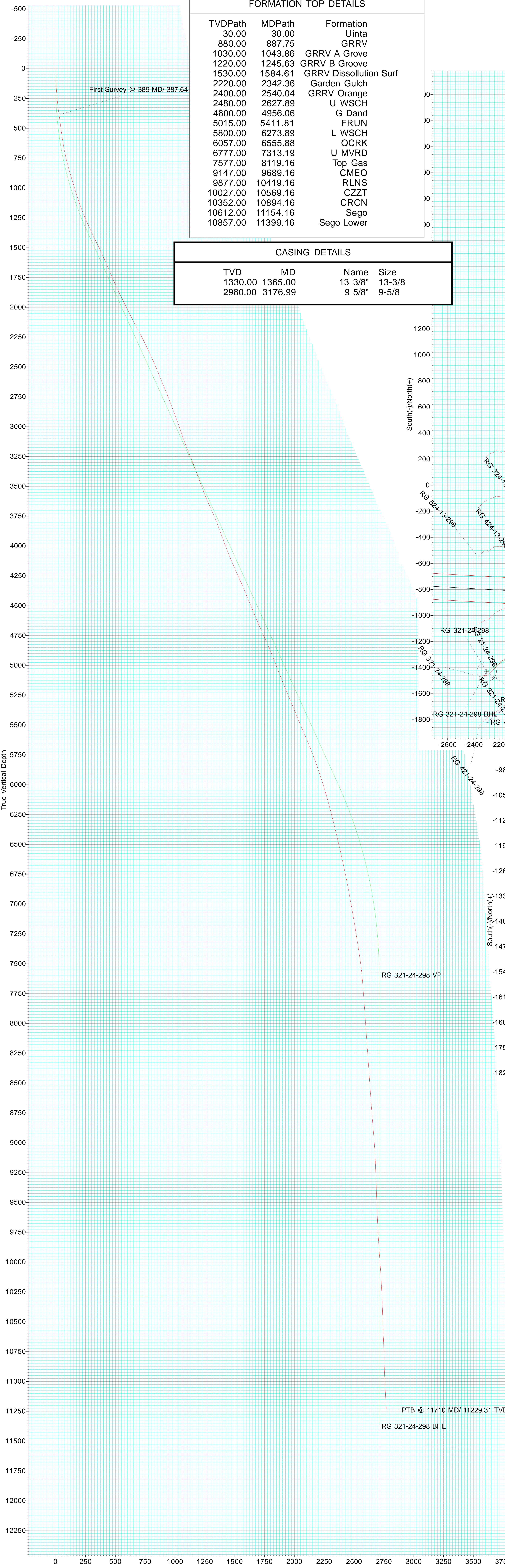
Slot Name	+N/-S	+E/-W	Northing	Easting
RG 13-18-297 B5	22.87	9.12	1754878.080	2203536.170
RG 14-18-297 A5	15.71	16.11	1754870.710	2203542.930
RG 21-24-298 A3	5.23	5.37	1754860.570	2203531.870
RG 312-18-297 B7	33.34	19.86	1754888.210	2203547.230
RG 313-18-297 A8	31.41	32.20	1754885.900	2203559.510
RG 314-18-297 B4	17.64	3.76	1754873.020	2203530.650
RG 321-24-298 A2	0.00	0.00	1754855.510	2203526.340
RG 324-13-298 B3	12.39	-1.61	1754867.940	2203525.120
RG 412-18-297 B8	38.57	25.23	1754893.270	2203552.760
RG 413-18-297 A7	26.18	26.84	1754880.840	2203553.980
RG 414-18-297 A4	10.47	10.74	1754865.640	2203537.400
RG 421-24-298 A1	-5.24	-5.36	1754850.440	2203520.820
RG 424-13-298 B2	7.16	-6.98	1754862.880	2203519.590
RG 512-18-297 B6	28.10	14.49	1754883.140	2203541.700
RG 514-18-297 A6	20.94	21.47	1754875.770	2203548.450
RG 524-13-298 B1	1.92	-12.35	1754857.810	2203514.060

FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
30.00	30.00	Uinta
880.00	887.75	GRRV
1030.00	1043.86	GRRV A Groove
1220.00	1245.63	GRRV B Groove
1530.00	1584.61	GRRV Dissolution Surf
2220.00	2342.36	Garden Gulch
2400.00	2540.04	GRRV Orange
2480.00	2627.89	U WSCH
4600.00	4956.06	G Dand
5015.00	5411.81	FRUN
5800.00	6273.89	L WSCH
6057.00	6555.88	OCRK
6777.00	7313.19	U MVRD
7577.00	8119.16	Top Gas
9147.00	9689.16	CMEO
9877.00	10419.16	RLNS
10027.00	10569.16	CZZT
10352.00	10894.16	CRCN
10612.00	11154.16	Sego
10857.00	11399.16	Sego Lower

CASING DETAILS

TVD	MD	Name	Size
1330.00	1365.00	13 3/8"	13-3/8
2980.00	3176.99	9 5/8"	9-5/8





# **Terra Energy Partners, LLP**

**Garfield County, CO (Nad 83)**

**Fed 298-13-1 Pad**

**RG 321-24-298 - Slot RG 321-24-298 A2**

**OWB**

**Survey: Surveys**

## **Standard Survey Report**

**18 July, 2024**



<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 321-24-298 - Slot RG 321-24-298 A2
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>TVD Reference:</b>	RKB @ 30' @ 6697.00ft
<b>Site:</b>	Fed 298-13-1 Pad	<b>MD Reference:</b>	RKB @ 30' @ 6697.00ft
<b>Well:</b>	RG 321-24-298	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	NN

<b>Project</b>	Garfield County, CO (Nad 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	Fed 298-13-1 Pad				
<b>Site Position:</b>		<b>Northing:</b>	1,754,850.440 usft	<b>Latitude:</b>	39.871723
<b>From:</b>	Map	<b>Easting:</b>	2,203,520.820 usft	<b>Longitude:</b>	-108.337998
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-1.79 °

<b>Well</b>	RG 321-24-298 - Slot RG 321-24-298 A2					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,754,855.510 usft	<b>Latitude:</b>	39.871738
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,203,526.340 usft	<b>Longitude:</b>	-108.337979
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	6,697.00 ft	<b>Ground Level:</b>	6,667.00 ft

<b>Wellbore</b>	OWB				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	12/31/2023	9.07	65.75	50,921

<b>Design</b>	Surveys				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	238.12	

<b>Survey Program</b>	<b>Date</b>	6/29/2024			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
389.00	11,710.00	Surveys (OWB)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
389.00	8.30	227.86	387.64	-18.87	-20.86	27.68	2.13	2.13	0.00	
<b>First Survey @ 389 MD/ 387.64 TVD</b>										
479.00	7.82	226.10	476.75	-27.48	-30.08	40.06	0.60	-0.53	-1.96	
570.00	8.39	221.35	566.84	-36.75	-38.93	52.47	0.97	0.63	-5.22	
661.00	10.63	221.44	656.59	-48.03	-48.87	66.87	2.46	2.46	0.10	
751.00	13.35	226.62	744.62	-61.39	-61.92	85.01	3.25	3.02	5.76	
842.00	15.60	232.16	832.73	-76.12	-79.22	107.47	2.90	2.47	6.09	
933.00	17.27	237.35	920.01	-90.91	-100.26	133.15	2.44	1.84	5.70	
1,023.00	16.61	235.77	1,006.11	-105.36	-122.15	159.37	0.89	-0.73	-1.76	
1,114.00	18.54	233.74	1,092.86	-121.23	-144.57	186.79	2.22	2.12	-2.23	

<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 321-24-298 - Slot RG 321-24-298 A2
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>TVD Reference:</b>	RKB @ 30' @ 6697.00ft
<b>Site:</b>	Fed 298-13-1 Pad	<b>MD Reference:</b>	RKB @ 30' @ 6697.00ft
<b>Well:</b>	RG 321-24-298	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	NN

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,204.00	20.39	238.23	1,177.71	-137.95	-169.44	216.74	2.64	2.06	4.99
1,295.00	23.68	243.41	1,262.06	-154.48	-199.27	250.80	4.20	3.62	5.69
1,386.00	25.18	242.06	1,344.91	-171.73	-232.71	288.31	1.76	1.65	-1.48
1,477.00	25.75	239.61	1,427.07	-190.80	-266.87	327.39	1.32	0.63	-2.69
1,569.00	25.40	239.43	1,510.06	-210.95	-301.10	367.09	0.39	-0.38	-0.20
1,660.00	24.39	239.34	1,592.60	-230.46	-334.06	405.39	1.11	-1.11	-0.10
1,750.00	23.16	240.57	1,674.96	-248.63	-365.46	441.65	1.47	-1.37	1.37
1,840.00	23.29	241.37	1,757.67	-265.85	-396.50	477.10	0.38	0.14	0.89
1,932.00	25.22	241.62	1,841.55	-283.88	-429.71	514.82	2.10	2.10	0.27
2,023.00	26.01	242.24	1,923.60	-302.39	-464.42	554.07	0.92	0.87	0.68
2,114.00	26.49	241.10	2,005.22	-321.50	-499.85	594.24	0.76	0.53	-1.25
2,204.00	27.33	240.48	2,085.47	-341.38	-535.40	634.93	0.98	0.93	-0.69
2,295.00	27.72	240.83	2,166.17	-361.98	-572.06	676.94	0.46	0.43	0.38
2,385.00	27.46	239.25	2,245.94	-382.80	-608.17	718.60	0.86	-0.29	-1.76
2,476.00	26.01	236.61	2,327.21	-404.51	-642.86	759.53	2.06	-1.59	-2.90
2,567.00	24.87	233.01	2,409.39	-427.00	-674.81	798.54	2.11	-1.25	-3.96
2,659.00	23.24	229.14	2,493.40	-450.52	-703.99	835.74	2.46	-1.77	-4.21
2,749.00	22.36	230.37	2,576.37	-473.06	-730.61	870.24	1.11	-0.98	1.37
2,840.00	22.45	237.23	2,660.52	-493.51	-758.55	904.77	2.87	0.10	7.54
2,931.00	22.01	236.35	2,744.75	-512.36	-787.36	939.19	0.61	-0.48	-0.97
3,022.00	20.43	233.01	2,829.58	-531.37	-814.24	972.06	2.19	-1.74	-3.67
3,113.00	20.87	231.43	2,914.74	-551.03	-839.60	1,003.97	0.78	0.48	-1.74
3,141.00	20.52	230.20	2,940.93	-557.28	-847.27	1,013.79	1.99	-1.25	-4.39
3,239.00	19.33	225.89	3,033.07	-579.57	-872.12	1,046.66	1.93	-1.21	-4.40
3,329.00	18.94	234.68	3,118.11	-598.38	-894.73	1,075.80	3.23	-0.43	9.77
3,420.00	23.20	242.42	3,203.02	-615.23	-922.69	1,108.44	5.58	4.68	8.51
3,512.00	21.18	244.26	3,288.21	-630.84	-953.72	1,143.03	2.32	-2.20	2.00
3,603.00	20.47	241.36	3,373.26	-645.61	-982.50	1,175.27	1.38	-0.78	-3.19
3,694.00	20.12	238.46	3,458.62	-661.42	-1,009.80	1,206.81	1.17	-0.38	-3.19
3,786.00	21.26	240.31	3,544.68	-677.96	-1,037.78	1,239.30	1.43	1.24	2.01
3,877.00	23.77	241.18	3,628.74	-694.97	-1,068.19	1,274.10	2.78	2.76	0.96
3,968.00	24.30	240.13	3,711.85	-713.14	-1,100.49	1,311.13	0.75	0.58	-1.15
4,059.00	21.26	238.55	3,795.74	-731.08	-1,130.81	1,346.35	3.41	-3.34	-1.74
4,151.00	20.47	241.62	3,881.71	-747.43	-1,159.19	1,379.09	1.47	-0.86	3.34
4,243.00	20.17	242.06	3,967.99	-762.51	-1,187.36	1,410.97	0.37	-0.33	0.48
4,335.00	21.79	242.42	4,053.88	-777.84	-1,216.51	1,443.82	1.77	1.76	0.39
4,427.00	23.33	239.95	4,138.84	-794.87	-1,247.42	1,479.06	1.97	1.67	-2.68
4,518.00	23.90	236.35	4,222.23	-814.11	-1,278.36	1,515.50	1.70	0.63	-3.96
4,609.00	24.12	237.76	4,305.35	-834.25	-1,309.43	1,552.51	0.68	0.24	1.55
4,701.00	22.28	235.65	4,389.91	-854.12	-1,339.73	1,588.74	2.19	-2.00	-2.29
4,793.00	23.51	241.10	4,474.67	-872.83	-1,370.20	1,624.49	2.66	1.34	5.92
4,884.00	21.97	240.66	4,558.60	-889.94	-1,400.93	1,659.63	1.70	-1.69	-0.48
4,976.00	22.85	239.60	4,643.65	-907.41	-1,431.34	1,694.68	1.05	0.96	-1.15

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<b>Well:</b>	RG 321-24-298	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	NN

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,067.00	25.00	241.01	4,726.83	-925.68	-1,463.41	1,731.55	2.44	2.36	1.55	
5,159.00	23.90	241.36	4,810.57	-944.03	-1,496.77	1,769.57	1.21	-1.20	0.38	
5,251.00	22.76	240.66	4,895.05	-961.69	-1,528.64	1,805.96	1.28	-1.24	-0.76	
5,343.00	20.21	239.51	4,980.65	-978.47	-1,557.85	1,839.63	2.81	-2.77	-1.25	
5,435.00	22.06	235.56	5,066.46	-996.31	-1,585.80	1,872.78	2.54	2.01	-4.29	
5,526.00	22.06	236.35	5,150.80	-1,015.44	-1,614.12	1,906.93	0.33	0.00	0.87	
5,617.00	22.23	234.77	5,235.09	-1,034.84	-1,642.40	1,941.20	0.68	0.19	-1.74	
5,708.00	23.81	240.39	5,318.85	-1,053.85	-1,672.44	1,976.74	2.97	1.74	6.18	
5,800.00	21.35	237.49	5,403.79	-1,072.03	-1,702.71	2,012.05	2.93	-2.67	-3.15	
5,892.00	23.11	244.09	5,488.97	-1,088.92	-1,733.08	2,046.76	3.32	1.91	7.17	
5,984.00	23.77	243.65	5,573.37	-1,105.04	-1,765.94	2,083.18	0.74	0.72	-0.48	
6,076.00	22.32	243.38	5,658.03	-1,121.10	-1,798.17	2,119.03	1.58	-1.58	-0.29	
6,167.00	21.22	242.85	5,742.54	-1,136.36	-1,828.27	2,152.65	1.23	-1.21	-0.58	
6,259.00	19.33	243.91	5,828.83	-1,150.65	-1,856.77	2,184.39	2.09	-2.05	1.15	
6,351.00	18.45	242.06	5,915.88	-1,164.17	-1,883.30	2,214.07	1.16	-0.96	-2.01	
6,443.00	17.31	239.16	6,003.44	-1,178.01	-1,907.92	2,242.28	1.57	-1.24	-3.15	
6,534.00	15.95	238.90	6,090.63	-1,191.41	-1,930.25	2,268.32	1.50	-1.49	-0.29	
6,626.00	14.67	239.43	6,179.36	-1,203.86	-1,951.10	2,292.60	1.40	-1.39	0.58	
6,718.00	14.50	239.08	6,268.40	-1,215.71	-1,971.01	2,315.76	0.21	-0.18	-0.38	
6,809.00	13.75	238.72	6,356.64	-1,227.18	-1,990.03	2,337.97	0.83	-0.82	-0.40	
6,901.00	13.31	236.44	6,446.09	-1,238.71	-2,008.20	2,359.49	0.75	-0.48	-2.48	
6,993.00	12.91	235.65	6,535.69	-1,250.36	-2,025.51	2,380.34	0.48	-0.43	-0.86	
7,085.00	12.56	235.74	6,625.43	-1,261.79	-2,042.26	2,400.60	0.38	-0.38	0.10	
7,177.00	11.90	237.76	6,715.34	-1,272.48	-2,058.55	2,420.08	0.85	-0.72	2.20	
7,269.00	11.33	236.00	6,805.46	-1,282.60	-2,074.07	2,438.60	0.73	-0.62	-1.91	
7,361.00	10.32	236.17	6,895.82	-1,292.24	-2,088.41	2,455.87	1.10	-1.10	0.18	
7,453.00	10.32	238.46	6,986.33	-1,301.14	-2,102.28	2,472.35	0.45	0.00	2.49	
7,544.00	9.66	240.04	7,075.95	-1,309.21	-2,115.84	2,488.13	0.79	-0.73	1.74	
7,636.00	9.62	240.83	7,166.65	-1,316.81	-2,129.24	2,503.52	0.15	-0.04	0.86	
7,728.00	9.09	241.27	7,257.43	-1,324.06	-2,142.32	2,518.46	0.58	-0.58	0.48	
7,819.00	8.78	238.46	7,347.33	-1,331.14	-2,154.55	2,532.58	0.59	-0.34	-3.09	
7,911.00	8.61	239.08	7,438.27	-1,338.35	-2,166.44	2,546.48	0.21	-0.18	0.67	
8,002.00	7.16	242.68	7,528.41	-1,344.46	-2,177.32	2,558.95	1.68	-1.59	3.96	
8,093.00	4.83	228.97	7,618.91	-1,349.58	-2,185.25	2,568.39	2.99	-2.56	-15.07	
8,185.00	4.57	219.30	7,710.60	-1,354.96	-2,190.49	2,575.68	0.91	-0.28	-10.51	
8,277.00	4.43	221.23	7,802.31	-1,360.46	-2,195.16	2,582.55	0.22	-0.15	2.10	
8,368.00	4.30	220.44	7,893.05	-1,365.70	-2,199.69	2,589.16	0.16	-0.14	-0.87	
8,460.00	4.08	216.58	7,984.81	-1,370.96	-2,203.87	2,595.49	0.39	-0.24	-4.20	
8,552.00	4.21	219.56	8,076.56	-1,376.19	-2,207.98	2,601.74	0.27	0.14	3.24	
8,642.00	4.08	224.84	8,166.33	-1,381.01	-2,212.34	2,607.99	0.45	-0.14	5.87	
8,733.00	4.26	227.56	8,257.09	-1,385.58	-2,217.11	2,614.46	0.29	0.20	2.99	
8,825.00	4.21	225.72	8,348.84	-1,390.25	-2,222.05	2,621.12	0.16	-0.05	-2.00	
8,916.00	3.86	223.43	8,439.61	-1,394.80	-2,226.55	2,627.34	0.42	-0.38	-2.52	

<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 321-24-298 - Slot RG 321-24-298 A2
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>TVD Reference:</b>	RKB @ 30' @ 6697.00ft
<b>Site:</b>	Fed 298-13-1 Pad	<b>MD Reference:</b>	RKB @ 30' @ 6697.00ft
<b>Well:</b>	RG 321-24-298	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	NN

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,008.00	4.17	225.72	8,531.39	-1,399.39	-2,231.07	2,633.61	0.38	0.34	2.49	
9,099.00	4.08	228.62	8,622.15	-1,403.84	-2,235.87	2,640.03	0.25	-0.10	3.19	
9,190.00	4.35	228.00	8,712.90	-1,408.29	-2,240.87	2,646.62	0.30	0.30	-0.68	
9,282.00	4.48	227.65	8,804.63	-1,413.04	-2,246.11	2,653.59	0.14	0.14	-0.38	
9,373.00	4.87	231.87	8,895.33	-1,417.82	-2,251.78	2,660.92	0.57	0.43	4.64	
9,465.00	4.74	226.33	8,987.01	-1,422.86	-2,257.60	2,668.53	0.52	-0.14	-6.02	
9,557.00	3.07	227.21	9,078.79	-1,427.15	-2,262.16	2,674.67	1.82	-1.82	0.96	
9,649.00	2.06	221.59	9,170.70	-1,430.06	-2,265.06	2,678.67	1.13	-1.10	-6.11	
9,740.00	2.32	228.62	9,261.63	-1,432.51	-2,267.53	2,682.06	0.41	0.29	7.73	
9,830.00	2.19	221.41	9,351.56	-1,435.00	-2,270.04	2,685.50	0.35	-0.14	-8.01	
9,921.00	2.15	210.86	9,442.49	-1,437.77	-2,272.06	2,688.68	0.44	-0.04	-11.59	
10,012.00	2.24	222.29	9,533.43	-1,440.55	-2,274.13	2,691.91	0.49	0.10	12.56	
10,104.00	2.28	228.26	9,625.36	-1,443.10	-2,276.71	2,695.44	0.26	0.04	6.49	
10,196.00	2.76	235.47	9,717.27	-1,445.57	-2,279.90	2,699.46	0.62	0.52	7.84	
10,290.00	3.33	233.27	9,811.14	-1,448.49	-2,283.95	2,704.44	0.62	0.61	-2.34	
10,384.00	3.99	236.97	9,904.94	-1,451.90	-2,288.88	2,710.43	0.75	0.70	3.94	
10,478.00	4.26	233.01	9,998.70	-1,455.79	-2,294.41	2,717.18	0.42	0.29	-4.21	
10,572.00	3.55	239.34	10,092.48	-1,459.37	-2,299.70	2,723.56	0.88	-0.76	6.73	
10,666.00	3.25	259.73	10,186.32	-1,461.33	-2,304.83	2,728.95	1.32	-0.32	21.69	
10,760.00	3.03	270.36	10,280.18	-1,461.79	-2,309.94	2,733.53	0.66	-0.23	11.31	
10,854.00	2.46	278.27	10,374.07	-1,461.48	-2,314.42	2,737.17	0.73	-0.61	8.41	
10,948.00	2.19	262.28	10,467.99	-1,461.44	-2,318.19	2,740.35	0.74	-0.29	-17.01	
11,042.00	1.88	271.59	10,561.94	-1,461.63	-2,321.51	2,743.28	0.48	-0.33	9.90	
11,137.00	2.50	259.11	10,656.87	-1,461.98	-2,325.11	2,746.51	0.82	0.65	-13.14	
11,231.00	1.88	275.55	10,750.80	-1,462.22	-2,328.65	2,749.65	0.93	-0.66	17.49	
11,327.00	1.97	265.53	10,846.74	-1,462.20	-2,331.87	2,752.37	0.36	0.09	-10.44	
11,421.00	2.37	250.41	10,940.68	-1,462.97	-2,335.31	2,755.70	0.74	0.43	-16.09	
11,515.00	2.68	243.91	11,034.59	-1,464.59	-2,339.11	2,759.78	0.45	0.33	-6.91	
11,609.00	2.98	233.80	11,128.47	-1,467.00	-2,343.06	2,764.41	0.62	0.32	-10.76	
11,647.00	3.25	233.36	11,166.42	-1,468.23	-2,344.72	2,766.47	0.71	0.71	-1.16	
11,710.00	3.25	233.36	11,229.31	-1,470.36	-2,347.59	2,770.03	0.00	0.00	0.00	
PTB @ 11710 MD/ 11229.31 TVD										

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
389.00	387.64	-18.87	-20.86	First Survey @ 389 MD/ 387.64 TVD	
11,710.00	11,229.31	-1,470.36	-2,347.59	PTB @ 11710 MD/ 11229.31 TVD	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_